

ST. LOUIS AREA PHASE V DIXON INVESTIGATION
SITE RECON SUMMARY REPORT

DATE: March 23, 1983

NAME OF SITE: First Baptist Church of Ellisville

CONTACT: Dr. Charles B. Murray, Pastor
314/277-1383

Site:	_____
ID #	_____
Bro	_____
Other	_____

SITE DESCRIPTION:

LOCATION: 137 Clarkson Road
Ellisville, Missouri

0.2 mile north of Manchester on Clarkson Road (Highway
340) on the east side of Clarkson.

TYPE OF SITE: Church

SITE HISTORY: The site was sprayed in the early 1970's near Vero Lane in the north and east sections of the parking lot. The church building has been significantly expanded since the spraying was done. Most of the sprayed area is now under asphalt. Also, part of the affected area is currently used as a playground for children in the church preschool.

There is an apartment complex south of the church along Wanda Lee Drive. Clarkson Plaza Shopping Center is located south of Wanda Lee Drive. There is a nursery south of the church on the west side of Clarkson.

There are two drains north of the church.

ADDITIONAL COMMENTS: The pastor has requested duplicate samples.



S00133156
SUPERFUND RECORDS

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SAMPLING OBJECTIVES

1. Provide general information on the areal extent of contamination due to wind erosion, sediment transport during runoff events and movement by vehicular traffic.
2. Develop concentration data to document the surface extent and depth of contamination of the sprayed road surfaces.
3. Sample special problem areas of potential enhanced exposure, special environmental problem or suspected high concentration of waste.

POTENTIAL PROBLEMS

1. The sprayed county road area has a poor condition surface. Controlled sampling through this surface will require powered drilling equipment and will increase the sampling team resource investment.
2. The entire area of oil disposal has yet to be identified and the movement of contaminated material by vehicular traffic and erosion processes has yet to be investigated. Given these unknowns the proposed sampling may not cover the entire contaminated zone and we may have to return to this site in the future.

SAMPLING PROPOSAL

Road Segment Samples - Nine road segments covering the allegedly sprayed areas and adjacent roads are shown on the attached sketch. For each segment the following samples are proposed:

- a. Road centerline - aliquots at 30-foot intervals with single samples composited of all aliquots for each selected depth interval. Intervals are:
 - Road surface to 12"
 - 12" to 24"
 - 24" to 36"
 - 36" to 48"
- b. 25 feet offset from road centerline. Two samples, one from each side of the road. Each sample to consist of aliquots at 30' intervals from ground surface to 6" depth.
- c. 50 feet offset from road centerline - same procedure as (b) above.

General Analytical Scheme - All collected samples will be analyzed for 2,3,7,8-TCDD at the 1 ppb detection level. All road segment centerline 12" to 24" depth samples will be collected in triplicate to facilitate analyses of other potentially present extractable organic materials, without using the Region's backup sample.

encountered, contact has been made.

It is estimated that under ideal conditions of weather and site access, this effort could be performed in 2 days by a team of 6 persons. Estimated costs are shown below:

1. PCB monies - 6 persons x 2 days x 12 hrs/day x \$15/hr	= \$ 2,160
2. Dependable Equipment - 24 sets @ \$102/set	= \$ 2,448
3. Travel/Per Diem - 12 days @ \$100/day	= \$ 1,200
4. Sample Shipment and Analyses TCDD - 70 x \$450	= \$31,500
5. Sample Analyses - Other Organics - 4 x \$600	= \$ 2,400
6. Communication, coordination, overhead (\$39,708 @25% of total)	= <u>\$ 9,927</u>
ESTIMATED TOTAL COST	= \$49,635

Attachment

